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POWER OF ATTORNEY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Shu WANG et al.

Application No. 10/000,297

Group Art Unit: 3731

Filed: December 4, 2001

Examiner: To be assigned

For: A POLYMER AND NERVE GUIDE  
CONDUITS FORMED THEREOF

Attorney Docket No.: 11042-003-999

POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71  
WITH STATEMENT UNDER C.F.R. 3.73(b)

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints: Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Garland T. Stephens (Reg. No. 37242), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), and Kenneth L. Stein (Reg. No. 38704), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, all of Pennie & Edmonds LLP (PTO Customer No. 20582), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Pennie & Edmonds LLP as partner, counsel, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

POWER OF ATTORNEY

Please direct all correspondence for this application to customer no. 20582.

I am the:

- ☐ Applicant/Inventor  
☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
(Statement under 37 CFR 3.73(b) is applicable)

Statement Under 37 C.F.R. 3.73(b)

National University of Singapore states that it is:

- ☐ the assignee of the entire right, title, and interest; or  
☒ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is 50 %

in the patent application/patent identified above by virtue of either:

- ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.  
☒ Copies of assignments of other documents in the chain of title are attached.  
[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

POWER OF ATTORNEY

Date: 6/3/05

ASSIGNEE: National University of Singapore

Signature: S. Ramakrishna

Typed Name: Associate Professor Searam Ramakrishna

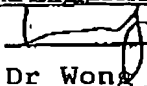
Position/Title: Director, Industry and Technology Relations Office

Address: 10 Kent Ridge Crescent  
Singapore 119260

POWER OF ATTORNEY

Date: 25 FEB 2003

ASSIGNEE: Institute of Materials Research  
and Engineering

Signature: 

Typed Name: Dr Wong Chia Woan

Position/Title: Research Admin Manager

Address: 3 Research Link  
Singapore 117602

JOINT

ASSIGNMENT

WHEREAS, WE,

Shu WANG, citizen of Sweden, residing at 103 Clementi Road, Kent Vale, Blk A, #05-07, Singapore 129789;

Andrew C.A. WAN, citizen of Malaysia, residing at 720 Rutland Avenue, 726 Ross Research Building, Biomedical Engineering Department, John Hopkins School of Medicine, Baltimore, MD 21205;

Henry YU, citizen of China, residing at 9 Princeton, Irvine, California 92720;

Kam W. LEONG, citizen of United States of America, residing at 10242 Brocenshire Road, Ellicott City, Maryland 21042.

are the inventors of the invention in for which we have executed an application for a Patent of the United States

☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pemic & Edmonds 117 docket no. 11042-003

☒ which was filed on December 4, 2001 and is identified as application no. 10/000,297.

and WHEREAS, Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, a public company limited by guarantee; and National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260, a body corporate created pursuant to the National University of Singapore Act (Chapter 204), ASSIGNEES are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEES, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Feb 24, 2003 Shu WANG L.S.

Date \_\_\_\_\_, 2003 Andrew C.A. WAN L.S.

Date \_\_\_\_\_, 2003 Henry YU L.S.

Date \_\_\_\_\_, 2003 Kam W. LEONG L.S.

ALBR&L

On this 24th day of Feb, 2003, before me, a witness,  
personally appeared Shu WANG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Andrew C.A. WAN, to me known and known to me to be the person of that name, who signed  
and sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Henry YU, to me known and known to me to be the person of that name, who signed and sealed  
the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Kam W. LEONG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

JOINT

ASSIGNMENT

WHEREAS, WE,

Shu WANG, citizen of Sweden, residing at 103 Clementi Road, Kent Vale, Blk A, #05-07, Singapore 129789;

Andrew C.A. WAN, citizen of Malaysia, residing at 720 Rutland Avenue, 726 Ross Research Building, Biomedical Engineering Department, John Hopkins School of Medicine, Baltimore, MD 21205;

Harry YU, citizen of China, residing at 9 Princeton, Irvine, California 92720;

Kam W. LEONG, citizen of United States of America, residing at 10242 Breconshire Road, Ellicott City, Maryland 21042.

are the inventors of the invention in for which we have executed an application for a Patent of the United States

☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pennie & Edmonds as docket no. 11042-003

☒ which was filed on December 4, 2001 and is identified as application no. 10/000,297.

and WHEREAS, Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, a public company limited by guarantee; and National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260, a body corporate created pursuant to the National University of Singapore Act (Chapter 204), ASSIGNEES are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof; and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEES, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2003 \_\_\_\_\_ Shu WANG L.S.

Date 21 February, 2003 A. Wan L.S.  
Andrew C.A. WAN

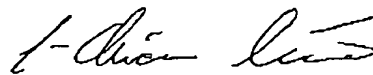
Date \_\_\_\_\_, 2003 \_\_\_\_\_ Harry YU L.S.

Date 21 February, 2003 Kam W. Leong L.S.  
Kam W. LEONG

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Shu WANG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this 21 day of February, 2003, before me, a witness,  
personally appeared Andrew C.A. WAN, to me known and known to me to be the person of that name, who signed  
and sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

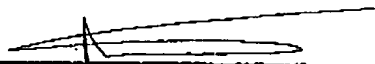


\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Henry YU, to me known and known to me to be the person of that name, who signed and sealed  
the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this 21 day of FEBRUARY, 2003, before me, a witness,  
personally appeared Kam W. LEONG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.



\_\_\_\_\_  
WITNESS.



JOINT

ASSIGNMENT

WHEREAS, WE,

Shu WANG, citizen of Sweden, residing at 103 Clementi Road, Kent Vale, Blk A, #05-07, Singapore 129789;

Andrew C.A. WAN, citizen of Malaysia, residing at 720 Rutland Avenue, 726 Ross Research Building, Biomedical Engineering Department, John Hopkins School of Medicine, Baltimore, MD 21205;

Henry YU, citizen of China, residing at 9 Princeton, Irvine, California 92720;

Kam W. LEONG, citizen of United States of America, residing at 10242 Breconshire Road, Ellicott City, Maryland 21042.

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☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pennie & Edmonds L.L. docket no. 11042-003

☒ which was filed on December 4, 2001 and is identified as application no. 10/000,297.

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NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2003 \_\_\_\_\_ L.S.

Shu WANG

Date \_\_\_\_\_, 2003 \_\_\_\_\_ L.S.

Andrew C.A. WAN

Date 21 Feb, 2003 \_\_\_\_\_ L.S.

Henry YU

Date \_\_\_\_\_, 2003 \_\_\_\_\_ L.S.

Kam W. LEONG

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Shu WANG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Andrew C.A. WAN, to me known and known to me to be the person of that name, who signed  
and sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.

On this 21 Feb day of February, 2003, before me, a witness,  
personally appeared Henry YU, to me known and known to me to be the person of that name, who signed and sealed  
the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

Henry YU  
\_\_\_\_\_  
WITNESS.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me, a witness,  
personally appeared Kam W. LEONG, to me known and known to me to be the person of that name, who signed and  
sealed the foregoing instrument, and he acknowledged the same to be his/her free act and deed.

\_\_\_\_\_  
WITNESS.